



US009584960B1

(12) **United States Patent**
Haney

(10) **Patent No.:** **US 9,584,960 B1**
(45) **Date of Patent:** **Feb. 28, 2017**

(54) **RENDEZ VOUS MANAGEMENT USING
MOBILE PHONES OR OTHER MOBILE
DEVICES**

(56) **References Cited**

U.S. PATENT DOCUMENTS

(71) Applicant: **X One, Inc.**, Union City, CA (US)

1,103,073 A 7/1914 O'Connell
4,121,160 A 10/1978 Cataldo

(Continued)

(72) Inventor: **Richard D. Haney**, Union City, CA
(US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **X One, Inc.**, Union City, CA (US)

AU 2003901617 4/2003
AU 2003901795 4/2003

(Continued)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

OTHER PUBLICATIONS

(21) Appl. No.: **14/139,695**

"Report on Location Service feature (LCS) 25.923 v1.0.0," TSG-
RAN Working Group 2 (Radio layer 2 and Radio layer 3), Berlin,
May 25-28, 1999, 45 pages.

(22) Filed: **Dec. 23, 2013**

(Continued)

Related U.S. Application Data

Primary Examiner — Kwasi Karikari

(63) Continuation of application No. 13/889,132, filed on
May 7, 2013, now Pat. No. 8,798,593, which is a
continuation of application No. 12/075,408, filed on
Mar. 11, 2008, now Pat. No. 8,538,458, which is a
continuation of application No. 11/099,362, filed on
Apr. 4, 2005, now Pat. No. 7,353,034.

(57) **ABSTRACT**

A system for exchanging GPS or other position data between
wireless devices for purposes of group activities, child
location monitoring, work group coordination, dispatching
of employees etc. Cell phones and other wireless devices
with GPS receivers have loaded therein a Buddy Watch
application and a TalkControl application. The Buddy Watch
application communicates with the GPS receiver and other
wireless devices operated by buddies registered in the users
phone as part of buddy groups or individually. GPS position
data and historical GPS position data can be exchanged
between cell phones of buddies and instant buddies such as
tow truck drivers via a buddy watch server. Emergency
monitoring services can be set up with notifications to
programmable individuals in case an individual does not
respond. Positions and tracks can be displayed. TalkControl
simplifies and automates the process of joining talk groups
for walkie talkie services such as that provided by Nextel.

(51) **Int. Cl.**

H04W 24/00 (2009.01)

H04W 4/02 (2009.01)

H04W 4/08 (2009.01)

(52) **U.S. Cl.**

CPC **H04W 4/02** (2013.01); **H04W 4/08**
(2013.01)

(58) **Field of Classification Search**

CPC ... H04L 67/306; H04L 12/581; H04L 63/104;
H04L 65/1069; H04L 65/403; H04W
4/021; H04W 76/007; H04W 4/12

USPC 455/457

See application file for complete search history.

50 Claims, 51 Drawing Sheets

SEQUENCE FROM SERVER TO AUTO DELETE A USER - SCHEDULE

